Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. **First & Final** Date.....

Division: **Projects Yelahanka Zone** Sub-Division:

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: Sub Divisional **Work Code: 007-20-000037**

Name of Work (as per sanctioned estimate): **Construction Of Samudhaya Bhavana At Mariyannapalya in Ward No-07** **Est.Cost: 30.00 Lakhs** D.R.No. :

Name of Contractor and Full Address : **Sri. Naveen. S**

Reference to Agreement No. **Dated:**

Certified that the measurements were taken by me on 30/12/24 and recorded of Pages 382701 to 382738 of measurement Book No: 03/2024 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on .....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Project Division
Yelahanka Zone
IRBMP, Bangalore - 91

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....	Amount 24810-
	adjusted towards cash advance recovery of	
	b) Payments Now made: cost store or other material supplied.	
	recovery of amount creditable to this/other work	
	Amount paid on this bill Cheque / Cash.	CBF- 2780-
5)	Balance being unpaid value of work done held in reserve.	Cess- 27,787-
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Royalty 8963-
7)	Net amount due to or from Contractor unadjustments items.	Adjusted. 116937-
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	Cheque- 26,61,753-
	Total amount adjusted	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Stamp

Initials of Officer making payment

Head of Account P-3589

Audited & Admitted

Passed for Rs. 27,78,690/-

Paid Rs. 26,61,753/-

By Adjustment 116937/-

CAM

26/12/2024

Executive Engineer

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L	DESCRIPTION	UNIT	PREVIOUS MEASUREMENTS		PRESENT MEASURMENTS			TOTAL		REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	-	-	68.57	484.92	33250.00	68.57	33250.00	
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification	Cum	-	-	3.42	2623.32	8972.00	3.42	8972.00	
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	-	-	7.44	5510.16	40996.00	7.44	40996.00	
4	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	-	-	9.84	5855.76	57621.00	9.84	57621.00	
5	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	-	-	8.64	4963.68	42887.00	8.64	42887.00	
6	Filling available excavated earth (excluding rock) in sides of foundation upto plinth in layers not exceeding 20cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications	Cum	-	-	20.30	217.08	4407.00	20.30	4407.00	
7	conveying the excavated earth, debris etc with all lead and lifts including cost of loading, unloading and stacking complete as per specifications.	Cum	-	-	36.01	67.09	2416.00	36.01	2416.00	

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SL	DESCRIPTION	UNIT	PREVIOUS MEASUREMENTS		PRESENT MEASURMENTS			TOTAL		REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons	Sqm	-	-	58.68	278.64	16351.00	58.68	16351.00	
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	-	-	27.18	386.64	10509.00	27.18	10509.00	
10	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications	Sqm	-	-	26.52	492.48	13061.00	26.52	13061.00	
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.	Sqm	-	-	82.84	432.00	35787.00	82.84	35787.00	
12	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications	Sqm	-	-	8.22	815.40	6703.00	8.22	6703.00	
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	-	-	81.00	315.36	25545.00	81.00	25545.00	
14	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton	Sqm	-	-	27.34	561.60	15355.00	27.34	15355.00	
15	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	-	-	6.62	348.84	2311.00	6.62	2311.00	

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SL	DESCRIPTION	UNIT	QTY.	COST	QTY.	(Rs)	(Rs)		(Rs)	
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons	Sqm	-	-	58.68	278.64	16351.00	58.68	16351.00	
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	-	-	27.18	386.64	10509.00	27.18	10509.00	
10	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications	Sqm	-	-	26.52	492.48	13061.00	26.52	13061.00	
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.	Sqm	-	-	82.84	432.00	35787.00	82.84	35787.00	
12	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications	Sqm	-	-	8.22	815.40	6703.00	8.22	6703.00	
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	-	-	81.00	315.36	25545.00	81.00	25545.00	
14	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton	Sqm	-	-	27.34	561.60	15355.00	27.34	15355.00	
15	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	-	-	6.62	348.84	2311.00	6.62	2311.00	

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SL	DESCRIPTION	UNIT	PREVIOUS MEASUREMENTS		PRESENT MEASURMENTS			TOTAL		REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
16	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	Cum	-	-	23.21	6276.96	145689.00	23.21	145689.00	
17	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications	Cum	-	-	3.82	6528.60	24940.00	3.82	24940.00	
18	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications-First floor	Cum	-	-	3.75	6593.40	24726.00	3.75	24726.00	

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SL	DESCRIPTION	UNIT	MEASUREMENT							REMARK
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
19	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Staircase and Roof with M-25	Cum	-	-	17.86	5936.76	106040.00	17.86	106040.00	
20	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications	Sqm	-	-	2.70	535.68	1447.00	2.70	1447.00	
21	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications-First floor	Sqm	-	-	2.16	541.08	1169.00	2.16	1169.00	
22	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications	Tonne	-	-	4.82	76643.28	369792.00	4.82	369792.00	
23	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications-first floor	Tonne	-	-	1.76	77451.12	136314.00	1.76	136314.00	

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SL	DESCRIPTION	UNIT	MEASUREMENTS						
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)
24	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part- 2)2005 and constructed with CM 1:4 , as per IS 2572 2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specification.	Sqm			59.33	984.96	58441.00	59.33	58441.00
25	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part- 2)2005 and constructed with CM 1:4 , as per IS 2572 2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. First Floor	Sqm			46.80	1022.76	47866.00	46.80	47866.00
26	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part- 2)2005 and constructed with CM 1:4 , as per IS 2572 2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications	Sqm			10.32	875.00	9040.00	10.32	9040.00
27	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part- 2)2005 and constructed with CM 1:4 , as per IS 2572 2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. First Floor	Sqm			18.13	951.48	17251.00	18.13	17251.00
28	Providing 16mm thick cement plaster in single coat with cement mortar 1:4 in two layers including curing all surfaces, wherever required internal walls. Providing and including scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm			65.84	281.00	18499.00	65.84	18499.00
29	Providing 16mm thick cement plaster in single coat with cement mortar 1:4 in two layers including curing all surfaces, wherever required internal walls. Providing and including scaffolding, including cost of materials, labour, curing complete as per specifications. First Floor	Sqm			44.09	274.00	11999.00	44.09	11999.00

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SL	DESCRIPTION	UNIT	QTY.	COST	QTY.	RATE (Rs)	(Rs)	QTY.	(Rs)	
30	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.-Terrace Floor	Sqm	-	-	36.25	307.80	11158.00	36.25	11158.00	
31	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	-	-	24.68	220.32	5438.00	24.68	5438.00	
32	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.-First floor	Sqm	-	-	26.25	226.80	5954.00	26.25	5954.00	
33	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	-	-	36.53	221.40	8088.00	36.53	8088.00	
34	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications-First Floor	Sqm	-	-	24.50	227.88	5582.00	24.50	5582.00	
35	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	-	-	34.56	243.00	8399.00	34.56	8399.00	
36	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.-First Floor	Sqm	-	-	32.49	249.48	8106.00	32.49	8106.00	
37	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification	Sqm	-	-	117.98	84.24	9939.00	117.98	9939.00	

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SL	DESCRIPTION	UNIT	MEASUREMENTS		PRESENT MEASUREMENTS					REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
38	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer.	Sqm	-	-	50.93	97.20	4951.00	50.93	4951.00	
39	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	-	-	67.05	127.44	8545.00	67.05	8545.00	
40	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.-Ground floor	Sqm	-	-	71.69	110.16	7898.00	71.69	7898.00	
41	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.-First floor	Sqm	-	-	44.09	116.64	5143.00	44.09	5143.00	
42	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.-Terrace floor	Sqm	-	-	36.25	123.12	4464.00	36.25	4464.00	
43	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete.-Ground floor	Sqm	-	-	12.70	4812.48	61119.00	12.70	61119.00	

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SL	DESCRIPTION	UNIT	MEASUREMENTS							REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
44	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete.-First floor	Sqm	-	-	12.70	4814.64	61146.00	12.70	61146.00	
45	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner toping, under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications-Ground floor	Sqm	-	-	40.18	681.48	27382.00	40.18	27382.00	
46	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner toping, under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications-First floor	Sqm	-	-	31.04	683.64	21221.00	31.04	21221.00	
47	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing-Ground floor	Sqm	-	-	58.43	2215.08	129428.00	58.43	129428.00	
48	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing-First Floor	Sqm	-	-	58.43	2217.24	129554.00	58.43	129554.00	

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SL	DESCRIPTION	UNIT	MEASUREMENTS							REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
49	Providing vitrified tiles 90 x 90cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification.	Sqm	-	-	2.07	1227.96	2542.00	2.07	2542.00	
50	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms	Sqm	-	-	10.82	1762.56	19071.00	10.82	19071.00	
51	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour	Sqm	-	-	30.04	1073.52	32249.00	30.04	32249.00	
52	Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications	Nos	-	-	2.00	1475.28	2951.00	2.00	2951.00	

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SL	DESCRIPTION	UNIT	MEASUREMENTS							REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
53	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications	Cum	-	-	0.17	94612.32	15612.00	0.17	15612.00	
54	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)-Ground floor	Sqm	-	-	2.52	5099.76	12852.00	2.52	12852.00	
55	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)-First floor	Sqm	-	-	2.52	5104.08	12863.00	2.52	12863.00	
56	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.	Sqm	-	-	1.58	4104.00	6464.00	1.58	6464.00	
57	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.	Sqm	-	-	4.29	104.76	450.00	4.29		

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SL	DESCRIPTION	UNIT	MEASUREMENTS		PRESENT [illegible]					REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
58	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm. thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar. using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved	Sqm	-	-	11.22	4748.80	53282.00	11.22	53282.00	
59	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar. using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved	Sqm	-	-	10.74	4796.28	51513.00	10.74	51513.00	

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SL	DESCRIPTION	UNIT	MEASUREMENTS							REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
60	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.-Ground Floor	Kgs	-	-	186.48	102.60	19133.00	186.48	19133.00	
61	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.-First Floor	Kgs	-	-	189.00	109.08	20617.00	189.00	20617.00	
62	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications	Sqm	-	-	32.05	102.60	3289.00	32.05	3289.00	
63	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications-Ground Floor	Sqm	-	-	13.95	6502.68	90713.00	13.95	90713.00	
64	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications FirstFloor	Sqm	-	-	13.95	6509.15	90803.00	13.95	90803.00	

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SL	DESCRIPTION	UNIT	MEASUREMENTS							REMARKS
			QTY.	COST	QTY.	RATE (Rs)	AMOUNT (Rs)	QTY.	Amount (Rs)	
65	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation.	Sqm	-	-	2.48	3252.96	8052.00	2.48	8052.00	
66	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density)	Cum	-	-	18.47	351.00	6483.00	18.47	6483.00	
67	Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications	Nos	-	-	4.00	298.08	1193.00	4.00	1193.00	
68	conveying the excavated earth, debris etc with all lead and lifts including cost of loading, unloading and stacking complete as per specifications.	Cum	-	-	10.05	67.09	675.00	10.05	675.00	
69	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification	Sqm	-	-	26.06	568.08	14805.00	26.06	14805.00	

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